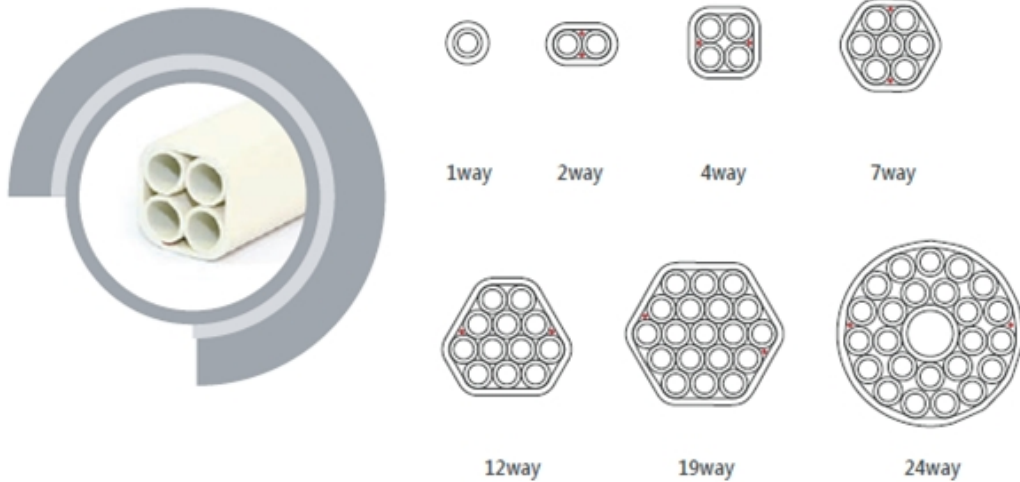




**Product description**

The Anatolia Series of LSZH micro ducts with low friction performance are suitable for fiber blowing .The primary tubes surrounded by LSZH outer jacket, providing excellent performance when exposed to fire .The light weight ,metal free LSZH duct makes the duct perfect for indoor installation .The outer jacket thickness is 1,2 mm LSZH PE

**Product construction**



**Dimensions**

5/3.5mm	OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)	Length/ drum (m)	Drum Size (mm)	Gross weight(kg)	Number of drums in 40'
1way	7.4	230	48	90	700	2000	450*735	105	192
2way	7.4 x 12.4	390	80	90	700	2000	430*980	175	96
4way	12.4 x 14.5	610	125	150	700	2000	480*1150	275	40
7way	16.1 x 17.4	890	183	190	700	2000	550*1440	465	32
12way	20.4 x 22.4	1,360	277	240	700	2000	720*1570	675	22
19way	26.1 x 26.7	1,950	399	310	700	2000	1100*1540	930	15
24way	32	2,610	533	380	700	2000	1100*1840	1250	12

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12/10 mm	OD(mm)	Max. Tensile(N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)	Length/drum (m)	Drum size(mm)	Gross weight(kg)	Number of drums in 40'
1way	15.4	590	121	190	700	2000	550*1185	300	40
2way	15.4 x 27.4	1,030	211	190	700	2000	720*1510	535	22
4way	32.8	1,700	348	400	700	2000	1100*1620	840	14
7way	39.8	2,610	533	480	700	2000	1100*1620	680	14

### Product Features

- Robust, having high crush resistance
- Superior characteristics for Anatolia Series of mini cables into microducts, high pressure resistance
- Simple line of connectivity products (direct buried connectors)
- No damage to the ducting system when laying
- Usable in every environment
- When blowing, the ducts can withstand high pressure equipment and even under difficult circumstances acceptable blowing distances are achieved
- Use less skill labor and requires less time in the field to make connections

#### Marking

- The microduct bundled shall be include the following information; (Frequency – repeated every 1meter)
  - - Item(e.g. MD)
  - - Product spec.(e.g. 7WAY 14/10)
  - - Manufacturer(e.g. ANATOLIA )
  - - Manufactured code(e.g. 43ABMMDD) - Length marking(e.g. = 0235m = )

## Test on Assembled

Mechanical properties	International standard	Test conditions	Performance
Inner clearance	IEC 60794-5-10 Annex E	Pressure : <b>12bar</b> Max. Sphere size : <b>85% of nom. ID</b>	<b>Pass :</b> Pass through the primary tube.
Tensile Strength	IEC 60794-5-10&20	Tube length under tension: <b>&gt;1m</b> Max. Tensile load: <b>1 x 9.8 x W*[N]</b> Duration of max. load: <b>10 min</b>  *W = mass of 1km of component in kg	<b>Pass:</b> Under visual examination without magnification, There shall be no damage and no reduction of diameter greater than 15%.
Crush	IEC 60794-5-10&20	Sample length : <b>250mm</b> Load: <b>2,000N</b> Duration of Max. load: <b>1 minute</b> Recovery time: <b>1 hr</b>	<b>Pass:</b> The outer and inner diameter of the microducts shall show, under visual examination without magnification no damage and no reduction of diameter greater than 15%.
Impact	IEC 60794-5-10&20	Striking surface radius: <b>300mm</b> impact: <b>5 J</b> Number of impact: <b>3</b> Recovery time: <b>1 hr</b>	<b>Pass:</b> Under visual examination, without magnification, there shall be no damage to the microduct. There shall be no residual deformation greater than 15% of the microduct diameter and no splitting or permanent damage. The imprint of the anvil on the sheath is not considered as mechanical damage.
Kink	IEC 60794-5-10&20	Diameter: <b>≤ 20 x OD</b>	<b>Pass:</b> The outer and inner diameter of the microduct shall show, under visual examination without magnification no damage and no reduction of diameter greater than 15%.
Bend	IEC 60794-5-10&20	Number of turns: <b>5</b> Mandrel diameter: <b>≤ 24 x OD</b> Number of cycles: <b>3</b>	<b>Pass:</b> The outer and inner diameter of the microducts shall show, under visual examination without magnification no damage and no reduction of diameter greater than 15%.

## Packing

All products suitably packed in recyclable materials and clearly labeled with Anatolia article number and description.